ABSTRACT:

A system including a processor, a high-energy density system linked to the processor, and a communicator linked to the processor. The communicator comprehensively integrates a plurality of hardware and software functions associated with operating the high-energy density system into a single, convenient interface. In one exemplary embodiment, the communicator comprises a wireless communicator. In operation, the communicator generates a command signal whereby the command signal is received by the processor. Accordingly, the processor controls the high-energy density system based on the command signal. In one aspect, the communicator interfaces with a security system for selectively limiting user access through a restricted system. In another aspect, the communicator is used for object information storage and retrieval associated with operating a high-energy density system, such as an ultrasonic laser system. In another aspect, the communicator is used to control a robotic device. In one exemplary embodiment, a wireless communicator continuously generates at least one command signal based on a typematic rate of interface.